# Plugin Summary

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## carlo-gavazzi-em21.lua

[DOWNLOAD](http://packages.etactica.com/plugins/carlo-gavazzi-em21.lua)

#### Plugin provided summary

Carlo Gavazzi compatible devices.

Originally developed with a EM210-72D, but extended to support:

* EM21 protocol compatible devices. (Tested EM210 72D)
* EM300 protocol compatible devices. (Tested EM340 AV2)

Notable downside of these devices are that you can get 0.01 kWh resolution on the display, but only 0.1 kWh via modbus.

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | Not connected |
| A | B |
| B | A |

## cs-instruments-va5xx.lua

[DOWNLOAD](http://packages.etactica.com/plugins/cs-instruments-va5xx.lua)

#### Plugin provided summary

CS Instruments - VA5xx

Should work with any VA5xx series device. Note: this device specifies 18-36V supply! While it appears functional at 12V, the "gas temperature" reading doesn't seem reliable, possibly related to the voltage.

Tested with a VA500, sw 1.31, produced 24-nov-2017

#### Wiring

|  |  |  |
| --- | --- | --- |
| EG | Extension Cable | DUT |
| + | RED | Connector A, pin 1 (Documents spec 18-36V, works at 12V) |
| - | BLACK | Connector A, pin 3 |
| A | YELLOW | Connector A, pin 2 |
| B | GREEN | Connector A, pin 4 |

## dalian\_taosonics.lua

[DOWNLOAD](http://packages.etactica.com/plugins/dalian_taosonics.lua)

#### Plugin provided summary

Supports DaLian Taosonics Instrument Co, CAM-3000M / TUF2000 water flow devices

## dent\_powerscout3.lua

[DOWNLOAD](http://packages.etactica.com/plugins/dent_powerscout3.lua)

#### Plugin provided summary

Plugin for DENT PowerScout 3+ Serial devices in Modbus/RTU mode.

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | S |
| A | + |
| B | - |

ReMake Electric, 2014/2.

## etactica\_eb-es.lua

[DOWNLOAD](http://packages.etactica.com/plugins/etactica_eb-es.lua)

#### Plugin provided summary

eTactica EB and ES, 3,6,9 and 12 channel current measurement devices.

While the plugin lists the full 12 channels as available variables, only the correct physical number of channels will ever produce data. For PowerBars, kwh and power factor variables will be only available if the PowerSyncNetwork is active and operational for that device.

## etactica\_em.lua

[DOWNLOAD](http://packages.etactica.com/plugins/etactica_em.lua)

#### Plugin provided summary

eTactica EM, three-phase, high accuracy submeter. Support up to 3000A per phase by varying models.

## etactica\_er-generic.lua

[DOWNLOAD](http://packages.etactica.com/plugins/etactica_er-generic.lua)

#### Plugin provided summary

eTactica ER plugin. Supports the optical and wired pulse inputs, as well as various OBIS values from the IR interface. 0.0.0, the meter serial is always included, but up to 10 other variables can also be included. The preset list of variables is suitable for Kamstrup 351b electricity meters and Kampstrup MC water meters. Requires ER firmware 3.6 or greater.

## frer.lua

[DOWNLOAD](http://packages.etactica.com/plugins/frer.lua)

#### Plugin provided summary

### eTactica Gateway plugin for Frer multifunction meters

ReMake Electric, 1/2014. All optional fields are filled. Supports the following devices:

* "NaNo..H" (verified)
* "Q 96 U4L" (untested)
* "Q 96 U4H" (untested)
* "Q 15 U2H / MCUH" (untested)
* "Q 15/96 B4W" (untested)
* "MC..U" (untested)

These \_should\_ work too.

* "MCU/MCUU"
* "Q 15/96 E2X005M"
* "Q 15/96 U2L/X100"

#### Wiring

|  |  |  |
| --- | --- | --- |
| EG | Extension Cable | DUT |
| + | RED | not connected |
| - | BLACK | not connected |
| A | YELLOW | A+ |
| B | GREEN | B- |

## ime-ce4dmid01.lua

[DOWNLOAD](http://packages.etactica.com/plugins/ime-ce4dmid01.lua)

#### Plugin provided summary

eTactica Gateway plugin for IME Conto D4 - Pt MID meters (only!)

Currently supports ONLY the following devices (specified by IME document PR115.pdf)

* Conto D4-Pt MID (CE4DMID01)

IME Meters do not provide a serial number

IME Meters do not provide firmware version numbers ReMake Electric, 2/2014.

## janitza\_umg-508.lua

[DOWNLOAD](http://packages.etactica.com/plugins/janitza_umg-508.lua)

#### Plugin provided summary

Janitza UMG-508-RM

Values are read as per UMG-96 compatible, but probing is different. Reads firmware version, serial number and model number. Tested against fw version 4.051.

## janitza\_umg-96.lua

[DOWNLOAD](http://packages.etactica.com/plugins/janitza_umg-96.lua)

#### Plugin provided summary

Janitza UMG-96-RM

(and probably UMG-96-S, UMG 511, UMG 605, and all comatible, but not tested yet)

This plugin can read the serial number of a device, but Janitza gives no way of reading the model name that I can decode yet. register 751 contains a HW rev, which, combined with the serial number, may indicate the device type? Janitza's own GridVis software doesn't autodetect the device type either though, you must select the device type \_first\_ and then it reads the model variant (via register 25010 which contains the modules installed)

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | Not connected |
| A | B |
| B | A |

## papouch-tqs3.lua

[DOWNLOAD](http://packages.etactica.com/plugins/papouch-tqs3.lua)

#### Plugin provided summary

Read temperature from a Papouch TQS3 device.

## rayleigh-instruments.lua

[DOWNLOAD](http://packages.etactica.com/plugins/rayleigh-instruments.lua)

#### Plugin provided summary

Rayleigh Instruments meters. Tested with RI-D140, and some work with a RI-F385 Product number cannot at this time be identified.

#### Serial number

Serial number for these devices is in different locations, and must be configured manually until we hear more from Rayleigh Instruments. >

|  |  |
| --- | --- |
| Device | Serial Register |
| F100 | 30684 |
| F300 | 30684 |
| F384/F385 | 30684 |
| F400 | 30684 |
| D140 | 30132 |
| MRJ4M | 30132 |

#### Wiring

|  |  |  |
| --- | --- | --- |
| EG | Extension Cable | DUT |
| + | RED | not connected |
| - | BLACK | not connected |
| A | YELLOW | + |
| B | GREEN | - |

## rme-er-legacy.lua

[DOWNLOAD](http://packages.etactica.com/plugins/rme-er-legacy.lua)

#### Plugin provided summary

LEGACY - do not use unless you are \_very\_ sure of what you're doing. This plugin supports the ER09 hardware, with firmware < 3.5 only, of which only a handful of prototype devices were made.

## rme-er-pulse-only.lua

[DOWNLOAD](http://packages.etactica.com/plugins/rme-er-pulse-only.lua)

#### Plugin provided summary

Deprecated: Consider using the "etactica\_er-generic" plugin instead. Use an eye in optical+wired pulse count mode \_only\_ Requires ER firmware 3.5 or greater.

## rme-er-pulse-w1-only.lua

[DOWNLOAD](http://packages.etactica.com/plugins/rme-er-pulse-w1-only.lua)

#### Plugin provided summary

Deprecated: Consider using the "etactica\_er-generic" plugin instead. Use an eye as pulse count wire1 \_only\_ Requires ER firmware 3.6 or greater.

## saia-burgess-Axx3D5x.lua

[DOWNLOAD](http://packages.etactica.com/plugins/saia-burgess-Axx3D5x.lua)

#### Plugin provided summary

Saia-PCD 3 phase energy meters from Saia-Burgess with Modbus support

Tested with ALE3D5FD and AWD3D5WD (direct and CT connected) Note: these meters do not support reactive power

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | Not connected |
| A | /D |
| B | D |

ReMake Electric, 5/2014

## saia-burgess-PCD7-H104D.lua

[DOWNLOAD](http://packages.etactica.com/plugins/saia-burgess-PCD7-H104D.lua)

#### Plugin provided summary

Read pulses from a Saia Burgess PCD7.H104D device.

This supports 4 pulse counts. The programmable multipliers and assignable serial numbers are not presently used.

## schneider\_electric\_a9mem3xx.lua

[DOWNLOAD](http://packages.etactica.com/plugins/schneider_electric_a9mem3xx.lua)

#### Plugin provided summary

Schneider Electric Acti 9 iEM3xxx devices.

Developed with an iem3150.

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | Not connected |
| A | D1/+ |
| B | D0/- |

## schneider\_electric\_pm7xx.lua

[DOWNLOAD](http://packages.etactica.com/plugins/schneider_electric_pm7xx.lua)

#### Plugin provided summary

Schneider Electric Plugin for PowerLogic PM700 series with rs485 support

Currently supports PM710 and PM750 All optional fields are filled.

ReMake Electric, 11/2013.

#### Wiring

|  |  |  |
| --- | --- | --- |
| EG | Extension Cable | DUT |
| + | RED | not connected |
| - | BLACK | GND |
| A | YELLOW | A |
| B | GREEN | B |

## siemens\_sentron.lua

[DOWNLOAD](http://packages.etactica.com/plugins/siemens_sentron.lua)

#### Plugin provided summary

Siemens Sentron 7KM devices (PAC4200 and PAC3200)

#### Wiring

In normal mode, the Sentron is a modbus TCP slave, listening on port 502. (on it's ethernet port) With the rs485 module inserted, ensure to configure it as "Modbus RTU".

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | COM |
| A | +/B |
| B | -/A |

ReMake Electric, October 2014

## smartprocess-smartrail-x835.lua

[DOWNLOAD](http://packages.etactica.com/plugins/smartprocess-smartrail-x835.lua)

#### Plugin provided summary

Smart Process - Smartrail X835

Presumably works for Smartpanel x835 as well, but no modbus document available. Should mostly work for Smartrail x100 single phase meters, but difficult to tell without a sample. (There's no explicit register for model detection, even if the register map appears to be a subset)

Tested with a Smartrail x835MID 2016v2.0, software 1.1.03

#### Wiring

|  |  |  |
| --- | --- | --- |
| EG | Extension Cable | DUT |
| + | RED | not connected |
| - | BLACK | GND |
| A | YELLOW | A |
| B | GREEN | B |

## socomec\_diris.lua

[DOWNLOAD](http://packages.etactica.com/plugins/socomec_diris.lua)

#### Plugin provided summary

Socomec Diris A meters.

This is for the "new" Diris family. Old devices with a silver bezel need a different plugin, or work on detection in this plugin. Registers are derived from excel files delivered from Socomec, after pointing out that Socomec document "JBUS Common Table version : 1.01" wasn't correct for currently shipping models. (as of August 2013)

#### Wiring

|  |  |
| --- | --- |
| EG pin | Meter pin |
| + | Not connected |
| - | 0 |
| A | + |
| B | - |